

## Abstract

5 The present invention relates to a fuel injector (5),  
particularly a fuel injector projecting directly into a  
combustion chamber of an internal combustion engine,  
having one fuel inlet (7), having an energizable  
actuating element (10, 11, 19) by which a valve-closure  
member (28) is able to be moved, having one fixed valve  
seat (27) with which the valve-closure member (28)  
10 cooperates for opening and closing the valve, and having  
one fuel outlet formed in a downstream valve end (8), the  
fuel outlet being formed by at least one discharge  
orifice (32) arranged downstream of the valve seat (27).  
The valve-seat element (26) having at least one discharge  
orifice (32) has on its downstream end face (54), at  
least in outlet area (55) of the discharge orifice (32),  
a coating which prevents coking in this region.

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